SHARP

Plasmacluster™

# FU-440E

## AIR PURIFIER
## OPERATION MANUAL

## LUFTREINIGER
## BEDIENUNGSANLEITUNG

## PURIFICATEUR D'AIR
## MANUEL D'UTILISATION

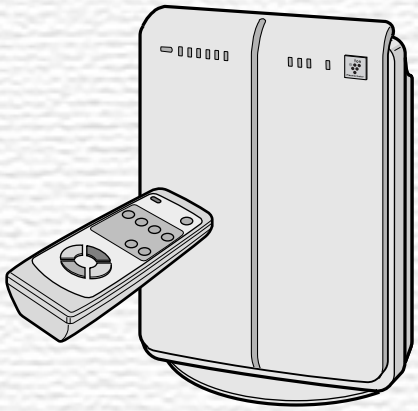
## PURIFICADOR DE AIRE
## MANUAL DE USO

## PURIFICATORE DELL'ARIA
## MANUALE OPERATIVO

## LUCHTREINIGER
## GEBRUIKSAANWIJZING

## ВОЗДУХООЧИСТИТЕЛЬ
## РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ

ENGLISH
DEUTSCH
FRANÇAIS
ESPAÑOL
ITALIANO
NEDERLANDS
РУССКИЙ



**Free standing type**
**Freistehende Ausführung**
**Type mobile**
**Tipo vertical sin soporte**
**Modello strutturalmente indipendente**
**Vrijstaand type**
**Напольного типа**

*Plasmacluster is a trademark of Sharp Corporation.

# ENGLISH

## FEATURES

### Plasmacluster Ion Control
The unit controls the ratio of negative ions and positive ions depending on the condition of the room.

**• Clean Mode**
Approximately the same numbers of positive and negative ions are discharged. This mode is effective for reducing some airborne mold.

**• Ion Control Mode**
Plenty of negative ions exist in natural surroundings such as waterfalls or forests. In this mode, negative ions will be released in an increased rate, in order to bring the room air close to this natural environment.

**• AUTO Plasmacluster Ion Mode**
The unit will switch between Clean Mode and Ion Control Mode automatically depending on the amount of impurities in the air detected by the dust and odor sensors.

**• Filters**

1) **Pre-Filter**
It collects large particles.

2) **Washable Active Carbon Filter**
Its deodorizing performance can be maintained by washing.

3) **HEPA (High Efficiency Particulate Air) Filter with Microbial Control Filter**
High-efficiency particle collection including pollen and dust.

This apparatus complies with the requirements of Council Directives 89/336/EEC and 73/23/EEC as amended by Council Directive 93/68/EEC.

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Thank you for purchasing the SHARP Air Purifier. Please read this manual carefully for the correct usage information. Before using this product, be sure to read the section: “Important Safety Instructions.”
After reading this manual, retain it in a convenient location for future reference.

# IMPORTANT SAFETY INSTRUCTIONS

**When using electrical appliances, basic safety precautions should be followed, including the following:**

## WARNING - To reduce the risk of electrical shock, fire or injury to persons:

- Read all instructions before using the air purifier.
- Use only a 220-240 volt outlet.
- **Do not use the air purifier if the power cord or plug is damaged or the connection to the wall outlet is loose.**
- Periodically remove dust from the power plug.
- **Do not insert fingers or foreign objects into the intake or air outlet.**
- **When removing the power plug, always hold the plug and never pull the cord.**

  Electrical shock and/or fire from short circuit may occur as result.
- **Do not use this air purifier near gas appliances or fireplaces.**
- **Remove the power plug from the wall outlet before cleaning the unit and when not using the unit.**

  Electrical shock from bad insulation and / or fire from short circuit may occur as a result.
- **If the power cord is damaged, it must be replaced by the manufacturer, its service agent, Sharp authorized servicers or similarly qualified persons in order to avoid a hazard.**
- Do not operate when using aerosol insecticides or in rooms where there is oily residue, incense, sparks from lit cigarettes, chemical fumes in the air or in very high humidity condition such as a bathroom.
- Use care when cleaning the air purifier. Strong corrosive cleansers may damage the exterior.
- Only Sharp Authorized Servicers should service this air purifier. Contact the nearest Servicer for any problems, adjustments, or repairs.
- The batteries must be removed from the remote control before disposal, and the batteries must be disposed of safely.

## CAUTIONS CONCERNING OPERATION

- Do not block the intake and air outlet.
- Do not use the unit near or on hot objects, such as range or where it may come into contact with steam.
- **Always hold the handle on the back of the main unit when moving it.**

  Holding the front panel when carrying may cause it to detach, thus dropping the unit and resulting in bodily injury.
- **Do not operate the unit without the filter.**

  Not only it does not improve filter performance, it may cause electric shock or malfunction.
- **Clean the exterior with a soft cloth only.**

  The unit surface may be damaged or cracked.

  In addition, the sensor may malfunction as a result.

## REMOTE CONTROL LIMITATIONS

### DO NOT USE THE REMOTE CONTROL IN THE FOLLOWING LOCATIONS:

- **Any location where there is inverter lighting equipment or electronic spontaneous lighting equipment**

  The remote control may become inoperative. In this case, move away from such lighting equipment or change direction.
- **Location exposed to direct sunlight or fluorescent.**

  The unit may not receive signals from the remote control.

## INSTALLATION GUIDELINES

- **During the operation of the product, please place the unit at least 2m away from equipments which involve electric wave such as televisions, radios or wave clocks, in case electrical interference occurs to such equipments.**
- **Avoid a location where the sensors are exposed to direct wind.**
  The unit may not operate properly.
- **Avoid locations where curtains, etc., come into contact with the intake or air outlet.**
  Curtains, etc., may become dirty or a malfunction may occur.
- **Avoid locations where the unit is exposed to condensation, due to drastic temperature changes.**
- **Place on a stable surface with sufficient air circulation.**
- **Do not install when there is generation of lampblack, such as in a kitchen, etc.**
  The unit surface may crack or the sensor may malfunction as a result.
- **Leave at least 60cm of space from the wall.**
  The wall behind the air outlet may become dirty as time passes. When using the unit for extensive period in the same location, use a vinyl sheet, etc., to prevent the wall from becoming dirty. In addition, periodically clean the wall, etc.

ENGLISH

## FILTER GUIDELINES

- Follow the instructions in this manual for correct care and maintenance of the filters.

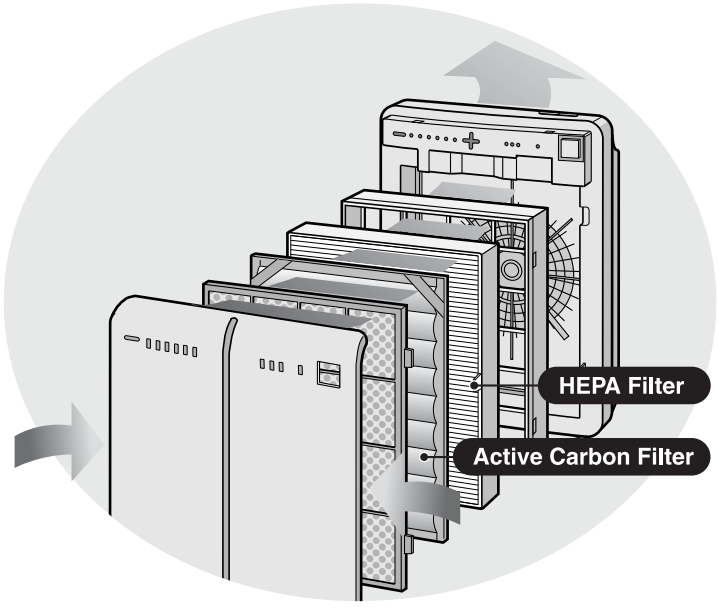
## HOW SHARP AIR PURIFIER WORKS

An air purifier draws in room air from its air intake, lets the air pass through an Active Carbon Filter (Deodorizing Filter) and a HEPA Filter (dust collection filter) inside of the unit, then discharges the air from its air outlet. The air purifier repeats this process by moving its internal fan.
As air passes through, the HEPA Filter can remove dust particles. The Active Carbon Filter gradually absorbs odor elements as they repeatedly pass through the filter.
(Odor elements are absorbed by HEPA Filter as well.)

Some odor ingredients absorbed by the filters may become separated and may be discharged through the air outlet and result in additional odor. Depending on the usage environment, this odor may become strong in a shorter period than expected.
In this case, purchase the optional replacement filter kit FZ-440SEF.

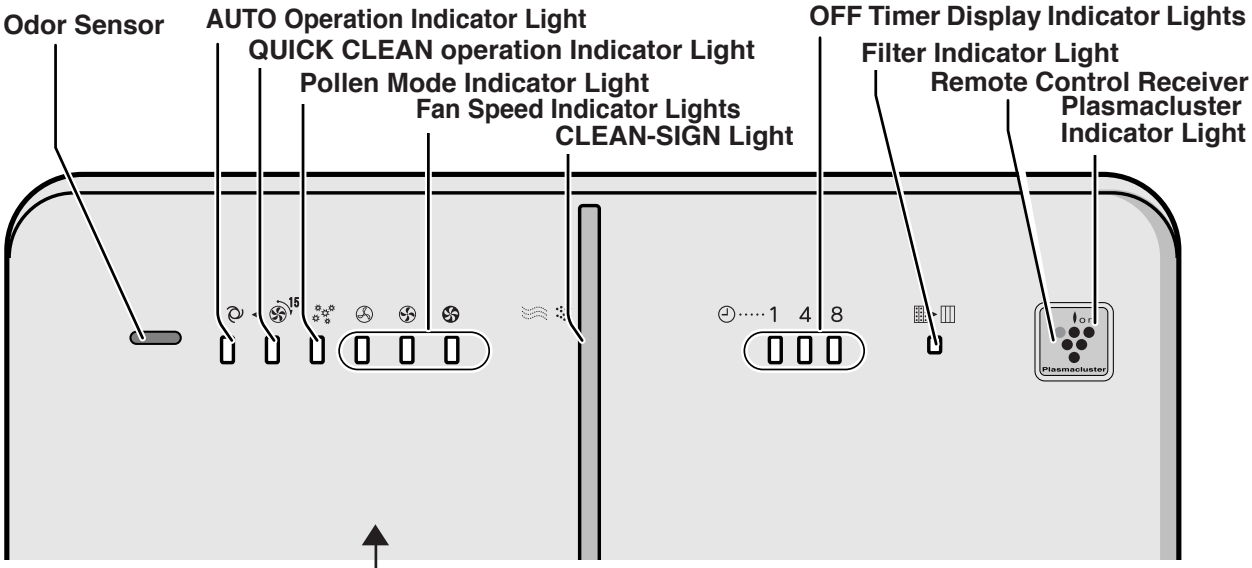
### NOTE

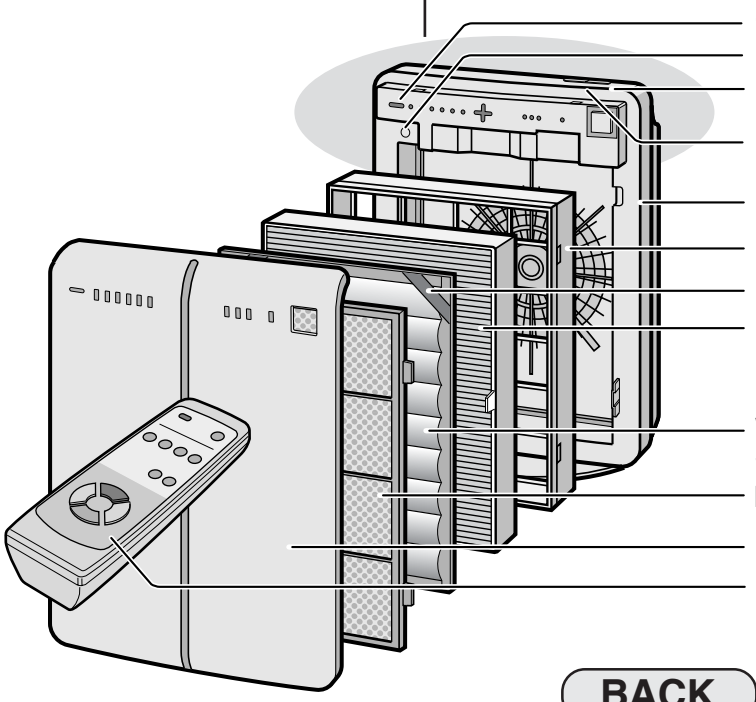
- The air purifier is designed to remove air-suspended dust and odor, but not harmful gases (for example, carbon monoxide contained in cigarette smoke). If the odor sources still exist, it cannot completely remove the odor. (for example, odors from construction materials and pet odors).
- It is suggested to open the window a bit when you are smoking in order to facilitate ventilation.



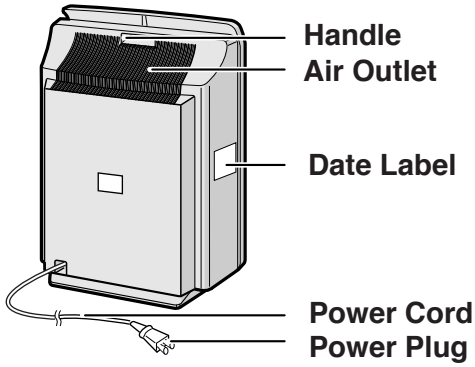
# PART NAMES

## MAIN UNIT DISPLAY




## BACK



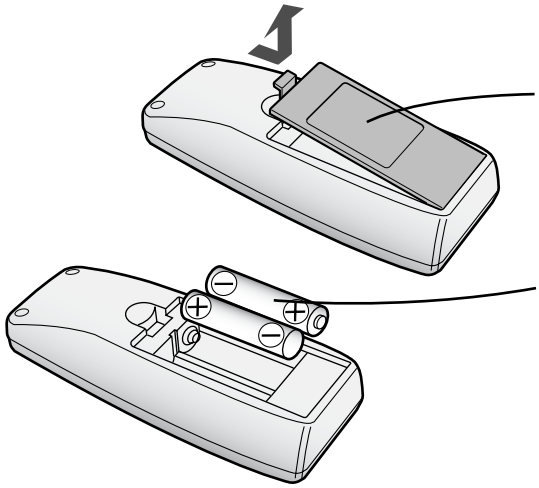

(shape of plug depends on country)

## INCLUDED

**Remote Control** (1 unit)
**Battery** (AA battery x 2 )
• Operation manual

# PREPARATION

## INSERTING BATTERIES IN THE REMOTE CONTROL



**1 Remove the back cover**
Press and slide the back cover to remove.

**2 Insert batteries**
Insert batteries with ⊕ and ⊖ as shown below.

**3 Close the back cover**

### Battery Information

- The battery life is about 1 year.
- The batteries for this remote control are for initial use only . Change the batteries when necessary.
- Incorrect usage of the batteries may cause battery fluid leakage and/or damage. Take care of the following when handling:
  - When replacing the batteries, replace both batteries with new ones of the same type. (Use 2 AA manganese batteries.)
  - When not using the unit or remote control for an extended period, remove the batteries.
  - The batteries are for initial use only and may be depleted within 1 year.

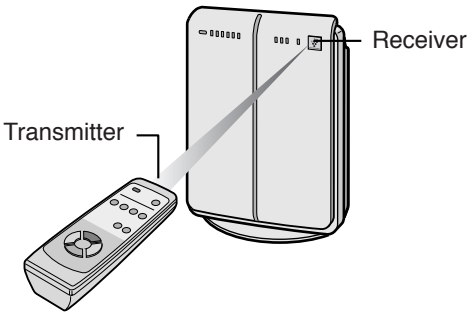
ENGLISH

## REMOTE CONTROL USE

- Operate with the remote control facing the main unit receiver.
- The signal range is about 7m.
- Make sure there are no objects blocking the path of the signal.
- A beep sound will be heard from the main unit when a signal is received.

**NOTE**

- Avoid dropping or damaging the remote control, using in a high humidity condition, in direct sunlight or near a heat source.



# PREPARATION

**Be sure to remove the power plug from the wall outlet.**

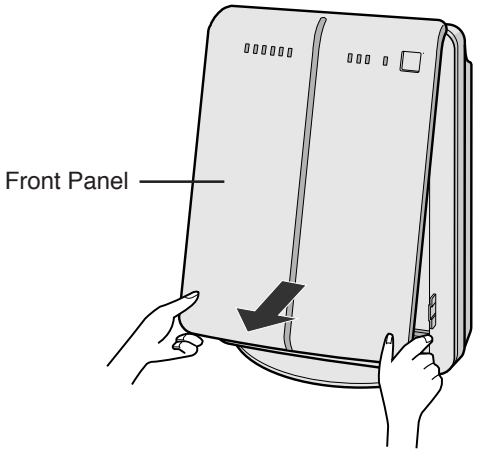
## FILTER INSTALLATION

**To maintain the quality of the filters, they are installed in the main unit within plastic bags. Be sure to remove the filters from the plastic bags before using the unit.**

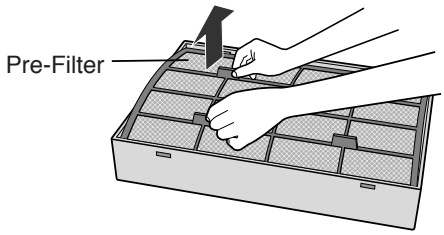
### 1 Remove the filters

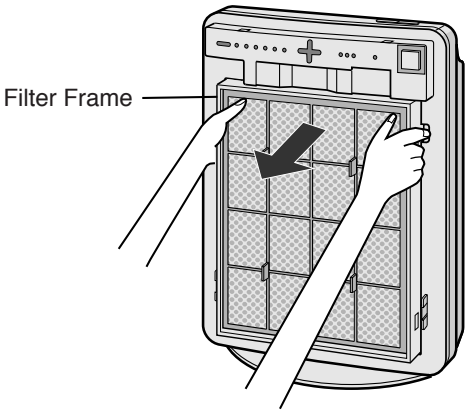
**1 Remove the Front Panel.**

Pull the bottom of the Front Panel.

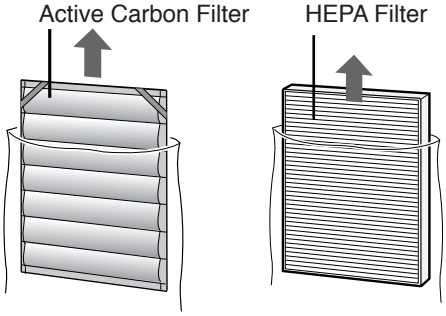


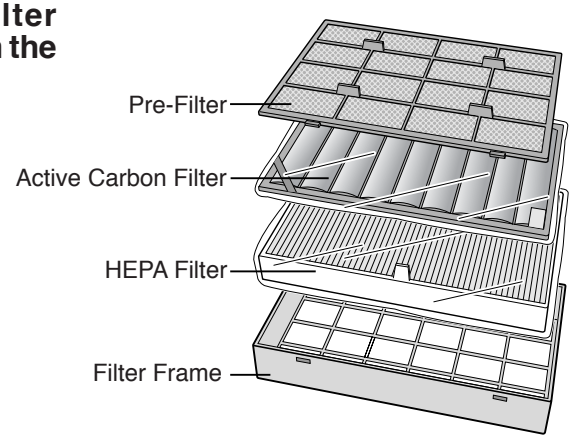

**2 Pull out the Filter Frame and remove the Pre-Filter, Active Carbon Filter and HEPA Filter.**




**3 Remove the Active Carbon Filter (black) and HEPA Filter (blue) from the plastic bags.**

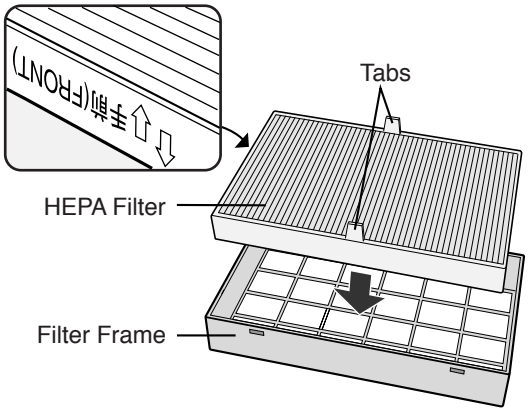


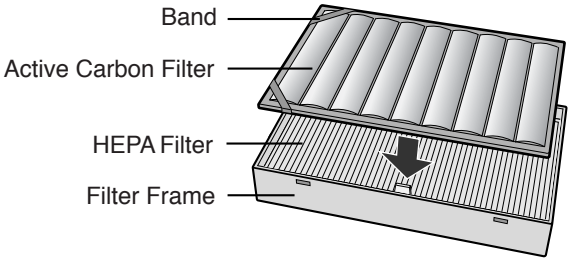
# 2 Install the filters

**1 Place the HEPA Filter within the Filter Frame with the tabs facing up.**

Do not install the filter backwards or the unit will not operate properly.

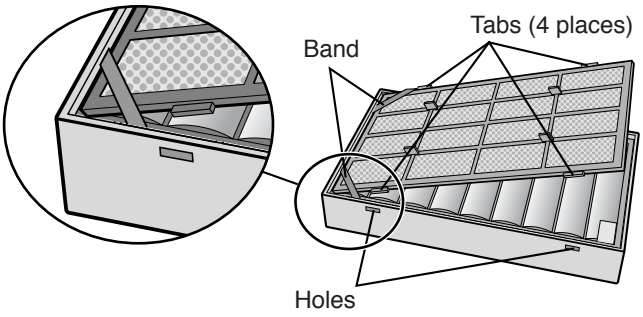



**2 Place the Active Carbon Filter on top of the HEPA Filter with the bands (2 places) facing up.**

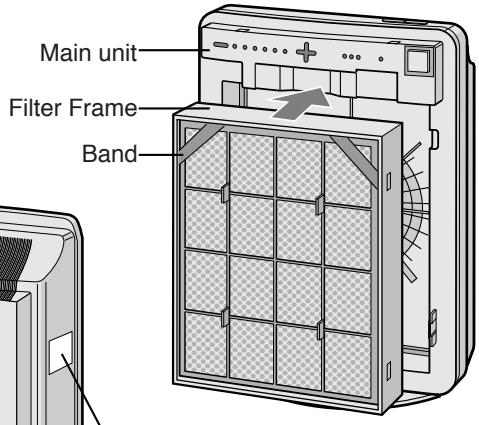



**3 Place the Pre-filter through the bands (2 places) located in the corners of the Active Carbon Filter.**

Insert the tabs of the pre-filter into the associated holes of the Filter Frame.



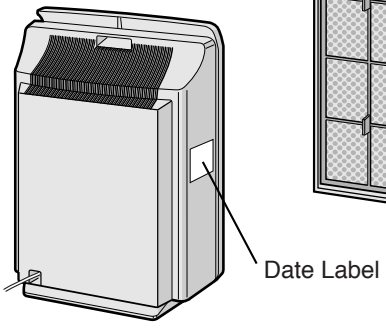

**4 Mount the Filter Frame to the main unit.**




**5 Fix the Front Panel to the main unit.**

**6 Fill in the usage start date on the Date Label.**

Use the date as a guide for the Filter Replacement schedule.

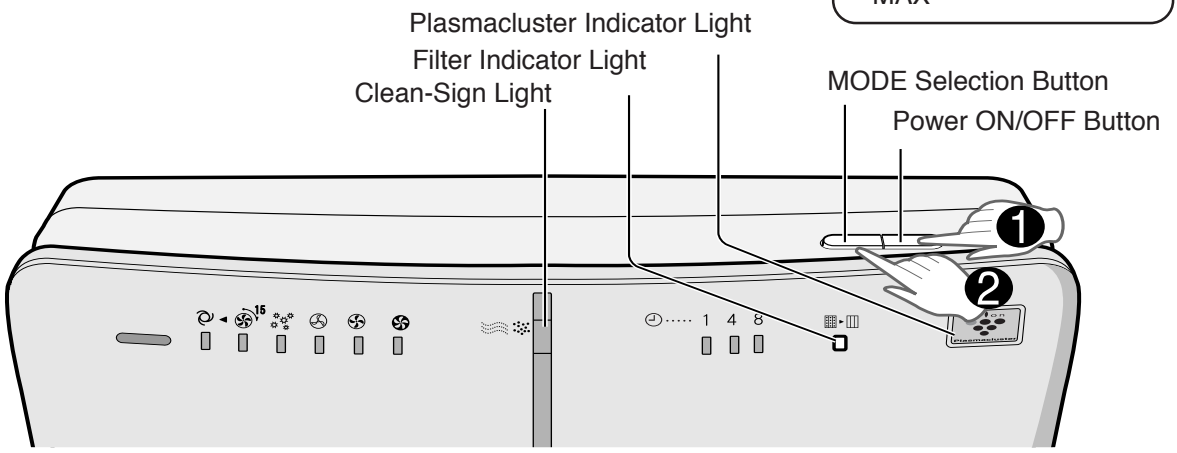



ENGLISH

# OPERATION

**Main Unit Controls**
- AUTO
- QUICK CLEAN
- POLLEN
- SILENT
- MEDIUM
- MAX

## MAIN UNIT OPERATION




**1 Power ON/OFF Button**
- Used to start operation (short beep) and stop operation (long beep)
- Plasmacluster Indicator Light and Fan Speed Indicator Light turn on/off.
- Unless unplug the power cord, the operation starts in the previous mode the unit was operated in.

**2 MODE Selection Button**
- The operation mode can be switched.

### AUTO operation
The fan speed is automatically switched (HIGH*, MEDIUM, SILENT) depending on the amount of impurities in the air. The sensors detect the impurities for efficient air purification.

### QUICK CLEAN operation 15
The unit will operate at HIGH* fan speed for 15 minutes, then will operate at Auto operation.
The operation mode is effective when quick removal of impurities in the air is desired.

### POLLEN mode operation
The unit will operate at HIGH* fan speed for 10 minutes, then will alternate between MEDIUM and HIGH* for 20 minutes.

10 minutes: HIGH fan speed
20 minutes: MEDIUM fan speed
20 minutes: HIGH fan speed

### MAX operation
The unit will operate at a fan speed of MAX.

### MEDIUM operation
The unit will operate at a fan speed of MEDIUM.

### SILENT operation
The unit will operate quietly using minimal air intake.

* HIGH fan speed is an intermediate speed between MEDIUM and MAX.

## DETERMINING THE BASE IMPURITY RATE

**For the first 30 seconds after the power plug is inserted into the wall outlet, the unit will check the conditions of the air. If operation is set to ON during this time, the CLEAN-SIGN LIGHT will alternately flash in green, orange and red.**

## PLASMACLUSTER INDICATOR LIGHT

Plasmacluster ion operation is selected using the remote control.

### Blue light

When the Plasmacluster ion operation is in Clean Mode, or in AUTO Plasmacluster Ion Mode and the air in the room is impure, the light will activate and the unit will operate in Clean Mode.

### Green light

When the Plasmacluster ion operation is in the Ion Control Mode, or in AUTO Plasmacluster Ion Mode and the air in the room is clean, this light will activate and the unit will operate in Ion Control Mode.

### Light off

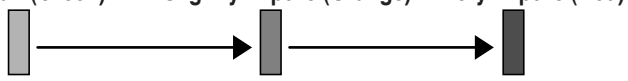
There are no Plasmacluster ions being generated.

- The light can be turned off by using the 'Lights ON/OFF Button' on the Remote Control. In this case, Plasmacluster ions are generated. (Please turn off the light when not required.) (See Page E-10)

## CLEAN-SIGN LIGHT

The color changes according to the air condition.

**Clean (Green)** **Slightly Impure (Orange)** **Very Impure (Red)**



### ABOUT THE CLEAN-SIGN

- The condition of the CLEAN-SIGN depends on the room air condition detected by the Dust and Odor Sensors when the plug is inserted into the wall outlet.
- It is possible to have a green CLEAN-SIGN with impurities in the air at the time that the air purifier was just introduced to the room environment. After a while, however, the base impurity rate will be adjusted to detect room air condition correctly.
- Use the Lights ON/OFF Button on the remote control to turn off the Indicator light.

## FILTER INDICATOR LIGHT

Clean the Active Carbon Filter when the Filter Indicator Light activates. (The indicator light will activate in about 2 months, when using the unit 24 hours daily.) (See Page E-12)

# OPERATION

## REMOTE CONTROL OPERATION

**Operations available with the Remote Control**

- AUTO
- MANUAL
- POLLEN
- OFF TIMER
- QUICK CLEAN
- LIGHTS ON/OFF

**Plasmacluster Ion mode selections**

- AUTO
- CLEAN
- ION CONTROL
- OFF

### POWER ON/OFF Button

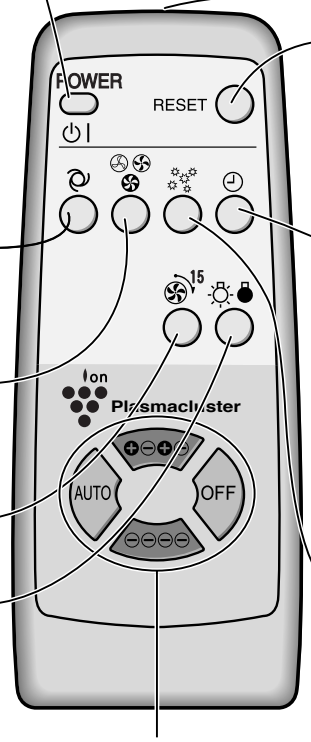
- When you press the POWER ON/OFF Button, a short beep will sound and operation will start in AUTO Mode.
- Unless unplug the power cord, the operation starts in the previous mode the unit was operated in.
- To stop, press the POWER ON/OFF Button again. A long beep will sound and operation will stop.

**Auto (Fan Speed) Button**
The fan speed switches automatically depending on the amount of impurities in the air.

**Manual (Fan Speed) Button**
The fan speed can be switched among Silent, MEDIUM and MAX settings.

**QUICK CLEAN Button**
See page E-8

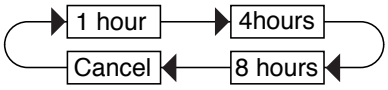
**LIGHTS ON/OFF Button**
Switches the Plasmacluster Indicator Light and CLEAN-SIGN Light either ON or OFF.




**Transmitter**

**Filter Reset Button**
When the Washable Active Carbon Filter is cleaned and reinserted into the main unit, press the Filter Reset Button. The Filter Indicator light will then go out with a beep.

**Off Timer Button**
The set time switches every time the button is pressed as shown below.




- The indicator light shows the remaining time.
- The unit will stop operation when the timer is up.

**Pollen Mode Operation Button**
See Page E-8

## Plasmacluster Ion Mode Selections

**AUTO**
When pressed, the unit will switch between Clean Mode and the Ion Control Mode automatically depending on the amount of impurities in the air as detected by the dust and odor sensors. Clean Mode will operate for 1 minute when the Auto function is selected.

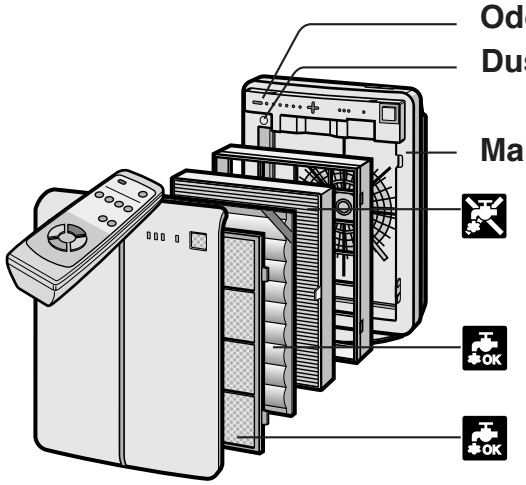
**⊕⊖⊕⊖ (CLEAN)**
When pressed, the unit will constantly operate in the Clean Mode, in which the same numbers of positive and negative ions are discharged. The Plasmacluster Indicator Light is blue.

**⊖⊖⊖⊖ (ION CONTROL)**
When pressed, the unit will constantly operate in Ion Control Mode.
The Plasmacluster Ion Indicator Light is green.

**OFF**
The generation of ions will cease and the Plasmacluster Indicator Light will go out.

# CARE AND MAINTENANCE

**To maintain optimum performance of this air purifier, please clean the unit including the sensor and filters periodically.**
**When cleaning the unit, be sure to unplug the power cord, and never handle the plug with wet hands. Electrical shock and/or bodily injury may occur as a result.**


Odor Sensor
Dust Sensor
Main Unit
HEPA Filter
Do not wash the HEPA Filter.
Washing will not improve filter performance, and it may even cause electric or malfunction.
Active Carbon Filter
Pre Filter

ENGLISH

## MAIN UNIT

To prevent dirt or stains on the main unit, clean as often as necessary. If stains are allowed to remain, they may become hard to clean.

**Wipe with a dry, soft cloth**
For stubborn stains or dirt, use a soft cloth dampened with warm water.

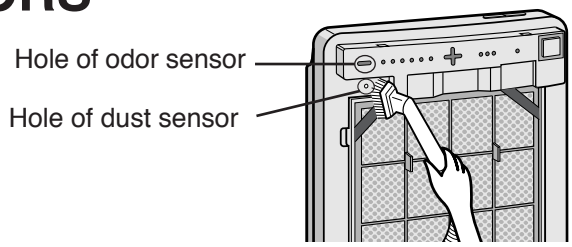
**Do not use volatile fluids**
Benzene, paint thinner, polishing powder, etc., may damage the surface.

**Do not use detergents**
Detergent ingredients may damage the unit.

**Keep the unit away from water**

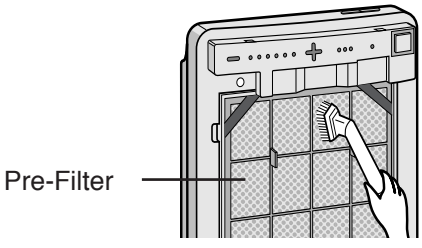
## DUST/ODOR SENSORS

The sensitivity of the sensors will become unstable if the odor or dust sensor is dirty or blocked. Remove dust from the surfaces of the sensor openings using a vacuum cleaner.




## PRE-FILTER

As shown in a figure, clean the top surface of the Pre- Filter lightly with a vacuum cleaner.
When Pre- Filter is very dirty, wash it with water added a mild kichen detergent and dry Pre-Filter well in the shade.



# CARE AND MAINTENANCE

## WASHABLE ACTIVE CARBON FILTER CARE

**HAND WASH ONLY!**
**DO NOT TUMBLE DRY!**

### Care Cycle

When the Filter Indicator Light lights up, this indicates that the filter needs to be cleaned. If the unit is kept on 24 hours a day then the Filter Indicator Light will activate in about 2 months.
The Filter Indicator Light is for reference. Clean the filter as often as necessary when odor persists.

### 1 Fill a large container with warm water, add a mild kitchen detergent and stir.

Dilute as indicated on the detergent container.

### 2 Allow the filter to soak approximately 30 minutes before washing.

If the filter surface is very dirty, scrub with an old toothbrush.

### 3 Rinse thoroughly with clean water

**CAUTION**

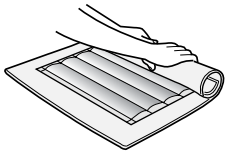
If rinsing in a container, be sure to rinse 3 to 4 times so that the odor is rinsed thoroughly from the filter.

### 4 Remove excess water

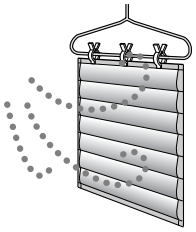
The filter will be saturated with water after rinsing. To decrease drying time, wrap the filter in an old thick towel so that excess water can be removed.

**CAUTION**

Some carbon may adhere to the towel, but it is harmless.



### 5 Dry the filter outdoors if possible in a well ventilated area.



**CAUTION**

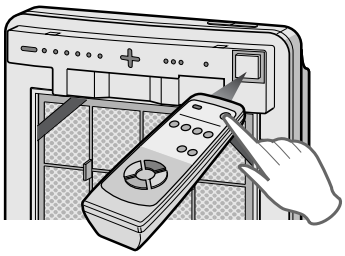
- The wet filter is heavy. Fix it securely for drying to make sure it does not fall down.
- The filter takes longer to dry in winter, on rainy days. Wash it on a day when the weather is good and dry it in the sun.
  Move it indoors at night to prevent freezing.
- Dry the filter outdoors in a well ventilated area. If dried indoors, the water dripping off the filter may soil your floor.
- Make sure that the activated carbon has not shifted to one side inside the filter. If it has, distribute it evenly with your fingers.
- Let the filter dry thoroughly.
  If used while the filter is still moist, then the air that is exhausted from the main unit will have an odor. It may take 1 or 2 days to dry.

### 6 Reinstalling the Filters.

Reinstall the filters as shown on Page E-6,7

### 7 Connect the power cord to the outlet and press the Filter Reset Button on the Remote Control.

- Once the Filter Reset Button has been activated, you will hear a beep sound that means the unit has been reset.
- The Filter indicator light will then go out automatically.



# FILTER REPLACEMENT GUIDELINES

**Depending on the usage environment, air outlet odor may become strong after several months.**
**If dust or odors cannot be removed easily, replace the filters.**
(Refer to HOW SHARP AIR PURIFIER WORKS E-3)

### Guide for filter replacement timing

• The following filter life and replacement period is based on the condition of smoking 10 cigarettes per day and the dust collection/deodorization power is reduced by half compared with that of new filters.

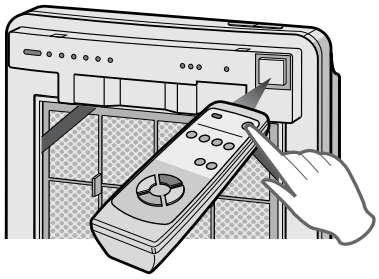
We recommend to replace the filters more frequently if the product is used in a condition significantly severer than normal household use.

| | |
|---|---|
| • HEPA Filter (with Microbial Control Filter) | About 5 years after opening |
| • Active Carbon Filter | About 5 years after opening |

ENGLISH

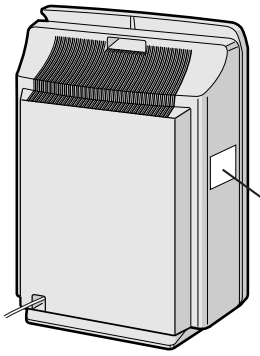
# REPLACING THE FILTERS

**1** **See page E-6,7 for directions on how to install the filters when replacing.**



**2** **After replacing the filters:**
Be sure to press the Filter Reset Button on the Remote Control with the power cord connected to the outlet.
A short beep will be heard and the operation hours stored in the memory will be reset.
The Filter Indicator Light will then go out automatically.

**3** **Fill in the usage start date of the filters on the Date Label**.




### Replacement Filters

Model: FZ-440SEF

- HEPA Filter (with Microbial Control Filter): 1 unit
- Active Carbon Filter: 1 unit

Please consult your dealer for purchase of replacement filters.

### Disposal of Filters

Please dispose of replaced filters according to the local disposal laws and regulations.
HEPA Filter (with Microbial Control Filter) materials:

- Filter: Polypropylene
- Frame: Polyester
- Microbial Control Filter: Polypropylene, Polyethylene

Active Carbon Filter Materials:

- Deodorizer: Activated charcoal
- Net: Polypropylene 60%, Polyester 40%

# TROUBLESHOOTING

Before calling for repair, please review the list below, since the problem may not be a unit malfunction.

| SYMPTOM | REMEDY (not a malfunction) |
|---|---|
| **The Remote Control does not work** | • Have the batteries been depleted?<br>• Are the batteries inserted correctly?<br>• Is a fluorescent lighting in the room flickering due to service life? |
| **Odors and smoke are not removed** | • Clean or Replace the filters if they appear to be heavily soiled. (Refer to E-12,E-13) |
| **The CLEAN-SIGN Light lights green even when the air is impure** | • The air could be impure at the time the unit was plugged in. (Refer to E-9) |
| **The CLEAN-SIGN Light lights orange or red even when the air is clean** | • The sensitivity of the sensors become unstable when the opening of the odor sensor or dust sensor is dirty or is clogged. Clean the dust around the sensor opening using a vacuum cleaner. (Refer to E-11) |
| **The Plasmacluster Indicator Light remains green (or blue) and does not change** | • When in Clean Mode ( or Ion Control Mode), the Plasmacluster Indicator Light color will not change. |
| **A clicking or ticking sound is heard from the unit** | • Clicking sound is emitted when the unit is in the Ion Control Mode, and ticking sound is emitted when the unit is generating ions.<br>If the sound is irritating, set the unit away from you. |
| **The discharged air has an aroma or odor.** | • Check to see if the filters are heavily soiled.<br>Replace the filters.<br>• Plasmacluster Air Purifiers emit small traces of ozone which may produce an odor. The amount of ozone emitted by the ion generator is very little which is below the safety levels set by the IEC 60335-2-65, and it is harmless to the human body. |
| **The unit does not operate when cigarette smoke is in the air.** | • Is the unit installed in a location that is difficult for the sensor to detect cigarette smoke?<br>• Are the dust or odor sensor openings blocked or clogged? (In this case, clean the openings.) (Refer to E-11) |
| **The Filter Indicator Light remains activated even after replacing filter.** | • After replacing filters, connect the power cord to an outlet and press the Filter Reset Button on the remote control. (Refer to E-12) |
| **The Plasmacluster Indicator Light or the CLEAN-SIGN Light will not activate.** | • Check to see if the Lights OFF Mode on the Remote Control is selected. If so, then press the Lights ON/OFF Button on the Remote Control to activate the indicator light. (Refer to E-10) |

## ERROR DISPLAY

| LAMP INDICATION | REMEDY |
|---|---|
| **The "Silent" Fan Speed Indicator Light blinks.** | Fan motor disconnected or abnormal.<br>Operation stops.<br>• Pressing the POWER ON/OFF button will reset the error display, but if error occurs again, contact the shop where you purchased the unit. |

# SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| | Model | FU-440E | | |
| | Power supply | 220-240V 50/60Hz | | |
| Fan Speed Operation | Fan speed level | MAX | MEDIUM | SILENT |
| | Rated power | 32 W | 9 W | 3.0 W |
| | Air Flow Volume | 240 $m^3$/hour | 120 $m^3$/hour | 30 $m^3$/hour |
| | Applicable floor surface | ~31$m^2$* | | |
| | Cord Length | 2.5m | | |
| | Dimensions | 415mm(W)x200mm(D)x585mm(H) | | |
| | Weight | 6.7kg | | |

* The applicable floor surface area is the surface area for operating the unit in MAX fan level.
• Applicable floor surface area indicates the space where a certain amount of dust particle can be removed in 30 minutes.

**Standby Power**
In order to operate the electrical circuits while the power plug is inserted in the wall outlet, this product consumes about 0.7W of standby power.
For energy conservation, unplug the power cord when the unit is not in use.

ENGLISH

Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

## A. Information on Disposal for Users (private households)

### 1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.
Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.
*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

### 2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

## B. Information on Disposal for Business Users.

### 1. In the European Union

If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

### 2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

# SERVICE PROCEDURE / SERVICE VORGEHENSWEISE

## SERVICE PROCEDURE - ONLY EFFECTIVE IN GERMANY

Dear SHARP customer,
SHARP machines are proprietary articles which are produced with precision and care according to most modern production methods.
In case of proper handling and with considering of the instruction book, this machine will serve you well for a long time.
Of course, a defect cannot be ruled out.
If your appliance has a warrantyable defect in the period of warranty, please contact your dealer, where you bought the appliance. This dealer is your only contact person for any claim of warranty.
**As proof for repairs during Warranty period, you need the invoice of the machine.**
Please bring your defect appliances also to your dealer (where you bought the appliance) when the warranty period is over.

**SHARP ELECTRONICS (EUROPE) GMBH**
Parts & Technical Service

## SERVICE VORGEHENSWEISE - GILT NUR FÜR DEUTSCHLAND

Lieber SHARP-Kunde
SHARP- Geräte sind Markenartikel, die mit Präzision und Sorgfalt nach modernen Fertigungsmethoden hergestellt werden.
Bei sachgemäser Handhabung und unter Beachtung der Bedienungsanleitung wird lhnen lhr Gerät lange Zeit gute Dienste leisten.
Das Auftreten von Fehlern ist aber nie auszuschließen.
Sollte lhr Gerät während der Gewährleistungsfrist einen gewährleistungspflichtigen Mangel aufweisen, so wenden Sie sich bitte an den Handelsbetrieb, bei dem Sie dieses Gerät erworben haben, denn dieser ist lhr alleiniger Ansprechpartner für jegliche Gewährleistungsansprüche.
**Als Nachweis im Gewährleistungsfall dient lhr Kaufbeleg.**
Sollte sich nach Ablauf der Gewährlelstrungsfrist ein Fehier des Gerätes zeigen, so wenden Sie sich bitte auch in diesem Fall an den Handelsbetrieb, bei dem Sie dieses Gerät erworben haben.

**SHARP ELECTRONICS (EUROPE) GMBH**
Parts & Technical Service

**SHARP CORPORATION**
**OSAKA, JAPAN**

Printed in China
TINS-A148KKRZ 05B- ②